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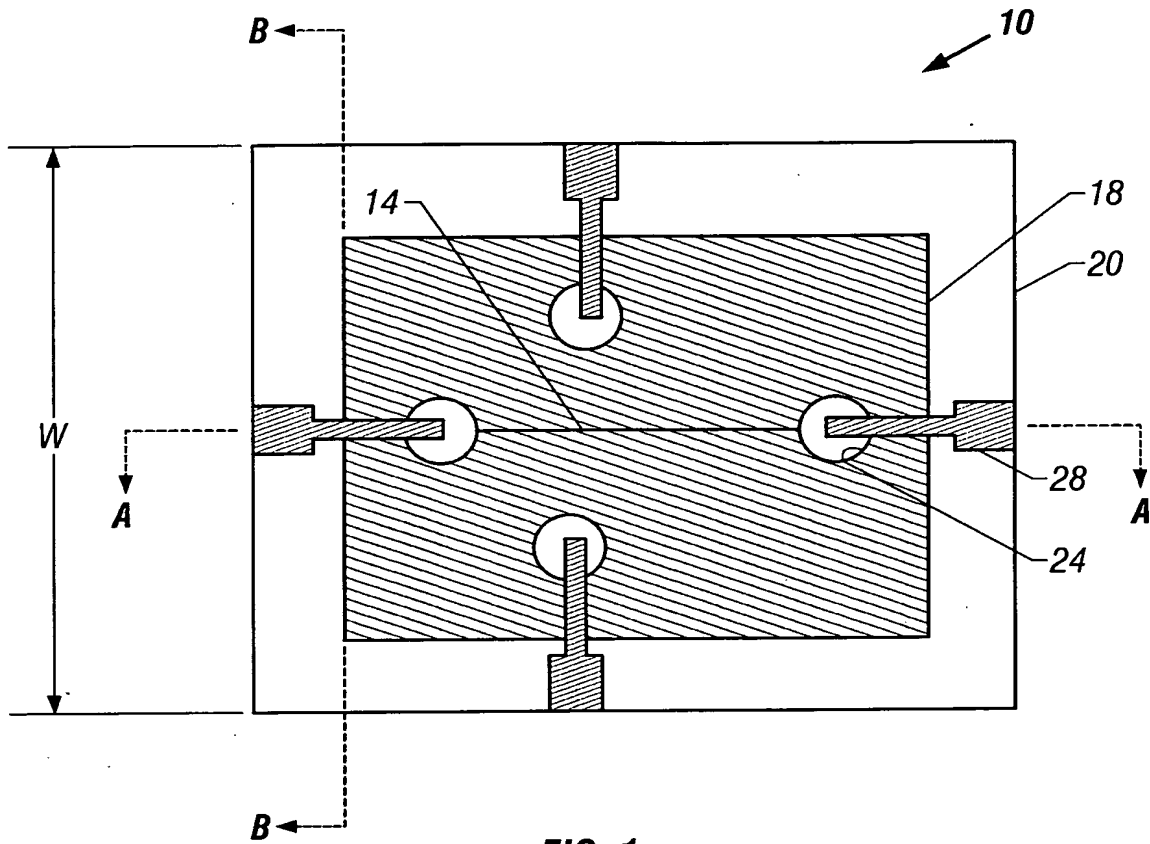


FIG. 1

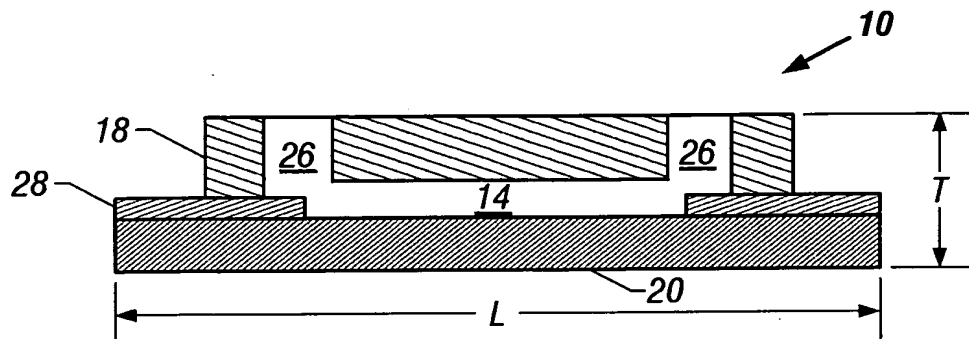


FIG. 2

FIG. 1

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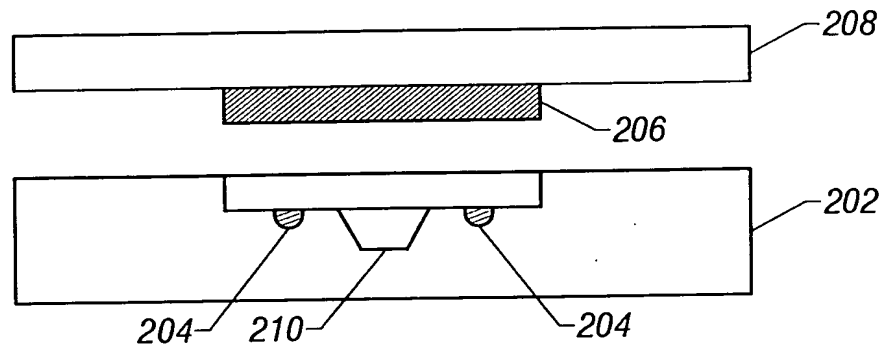


FIG. 4A

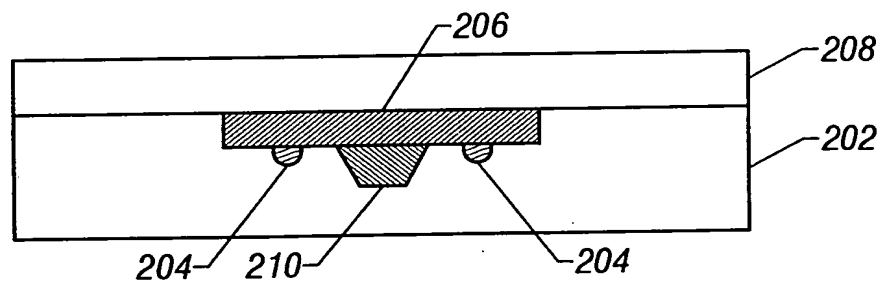


FIG. 4B

FIG. 4A

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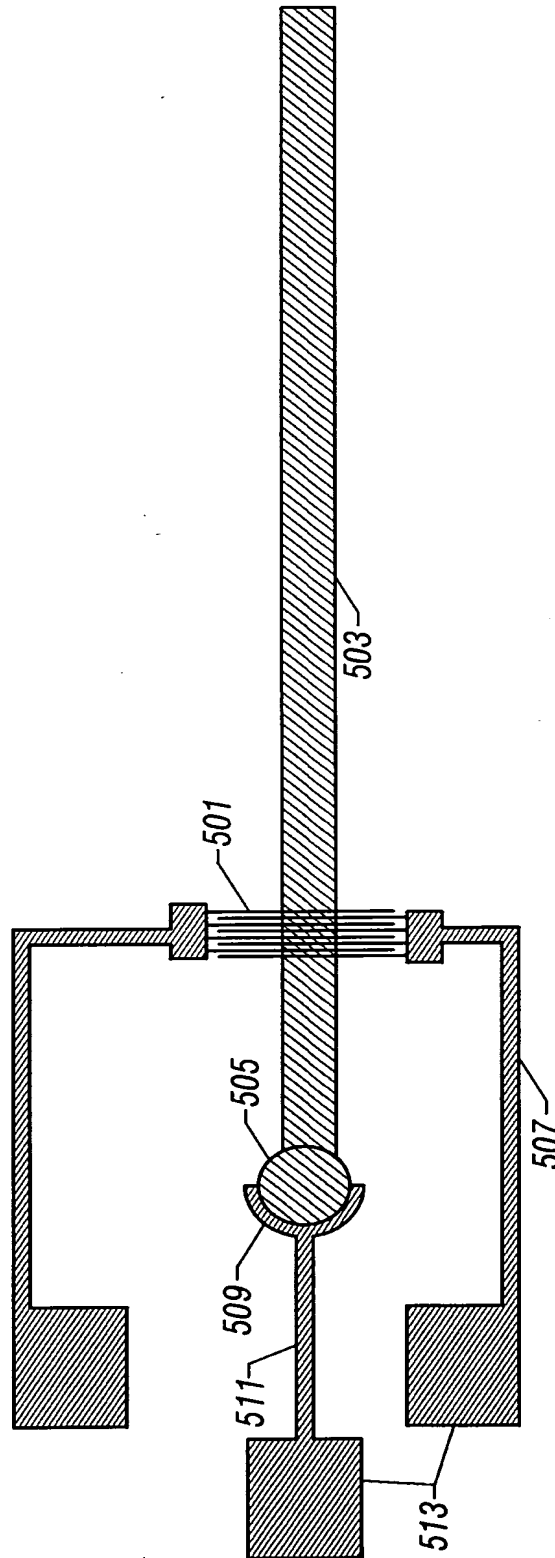


FIG. 5

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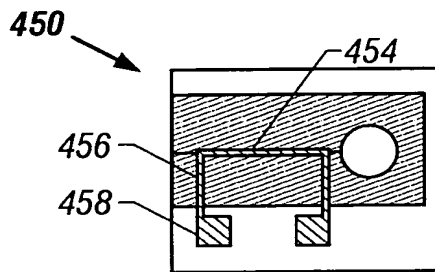


FIG. 6A

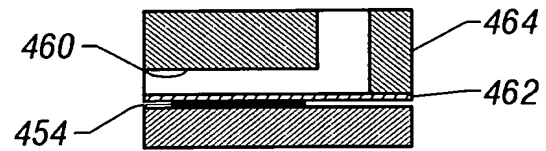


FIG. 6B

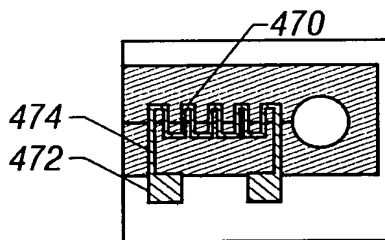


FIG. 6C

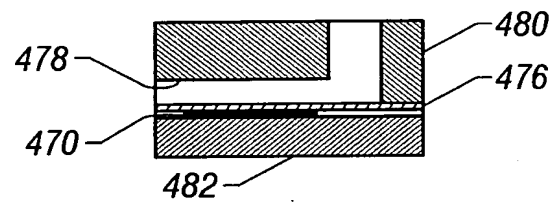


FIG. 6D

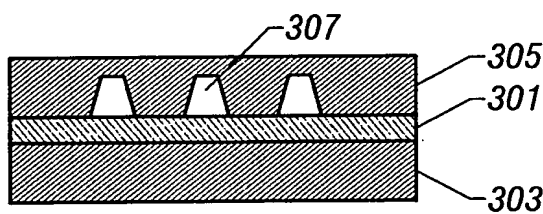


FIG. 7A

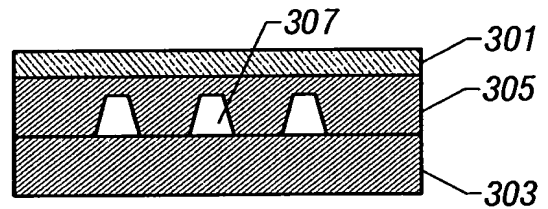


FIG. 7B

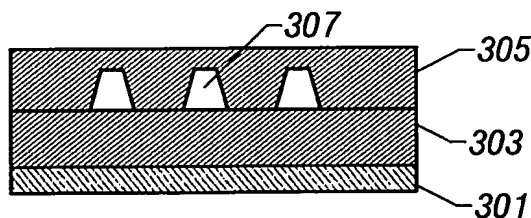


FIG. 7C

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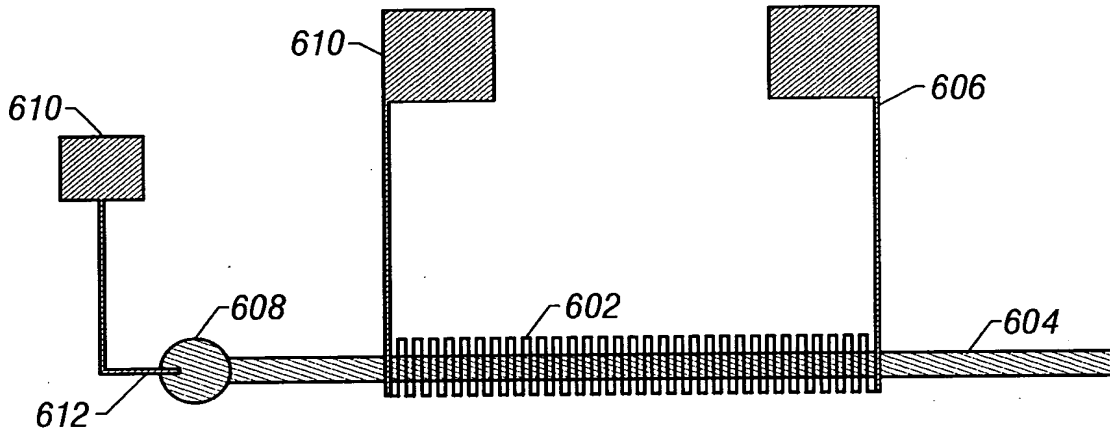


FIG. 8

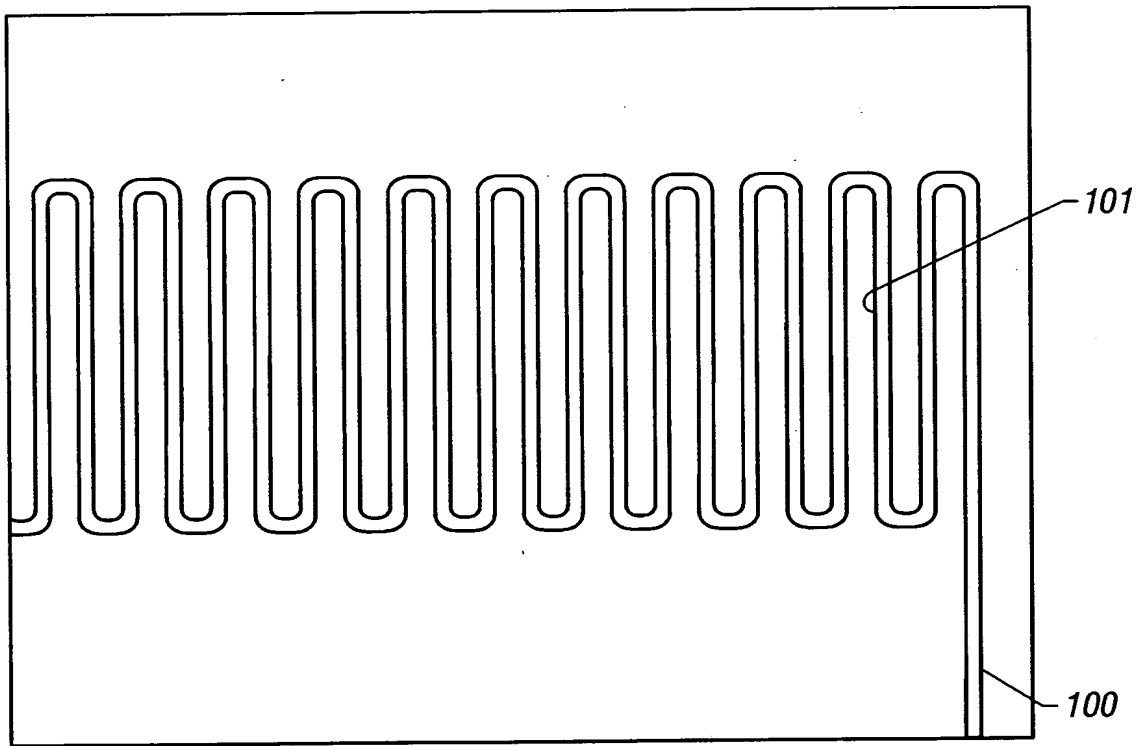


FIG. 9

FIG. 8

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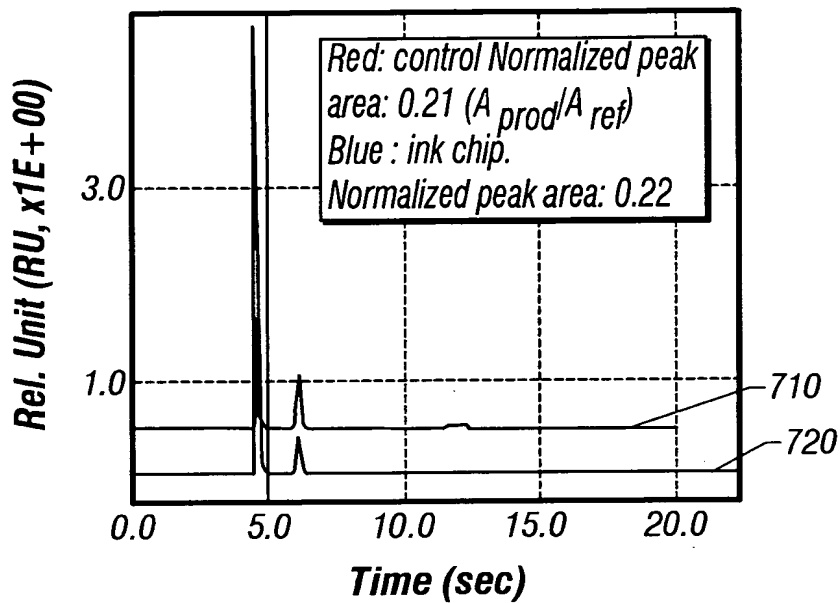


FIG. 10

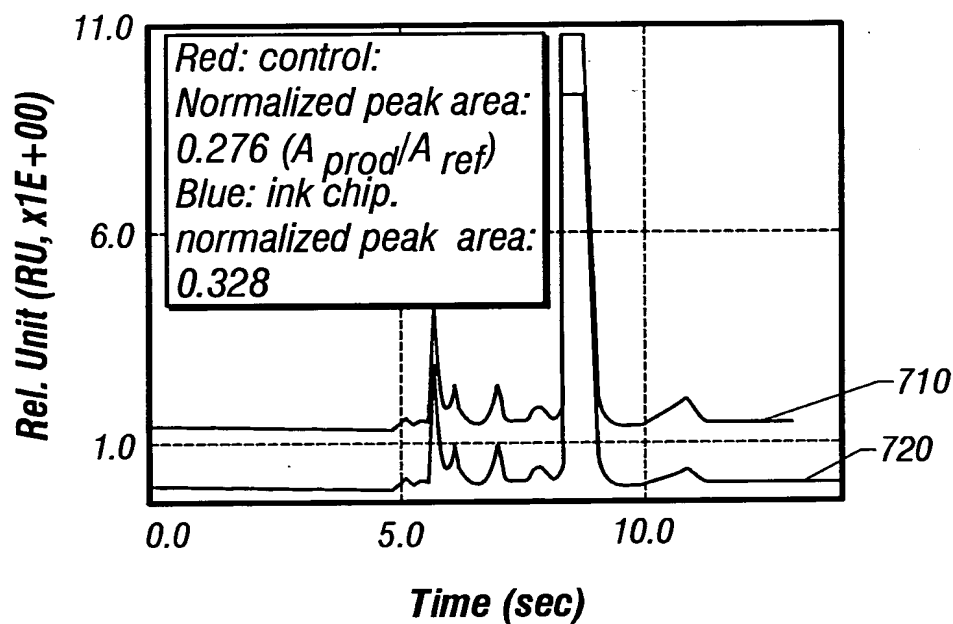


FIG. 11

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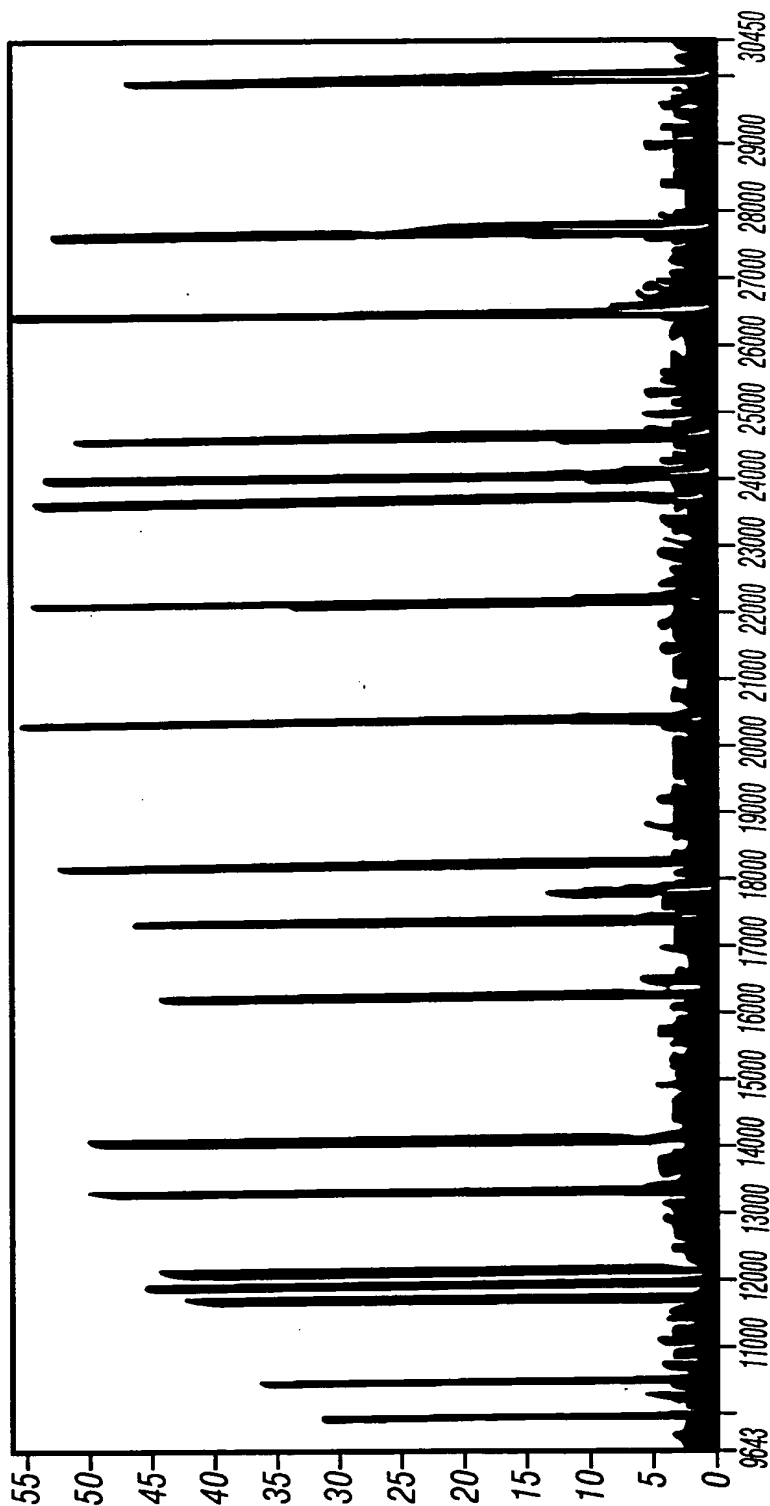


FIG. 12A

FIG. 12A

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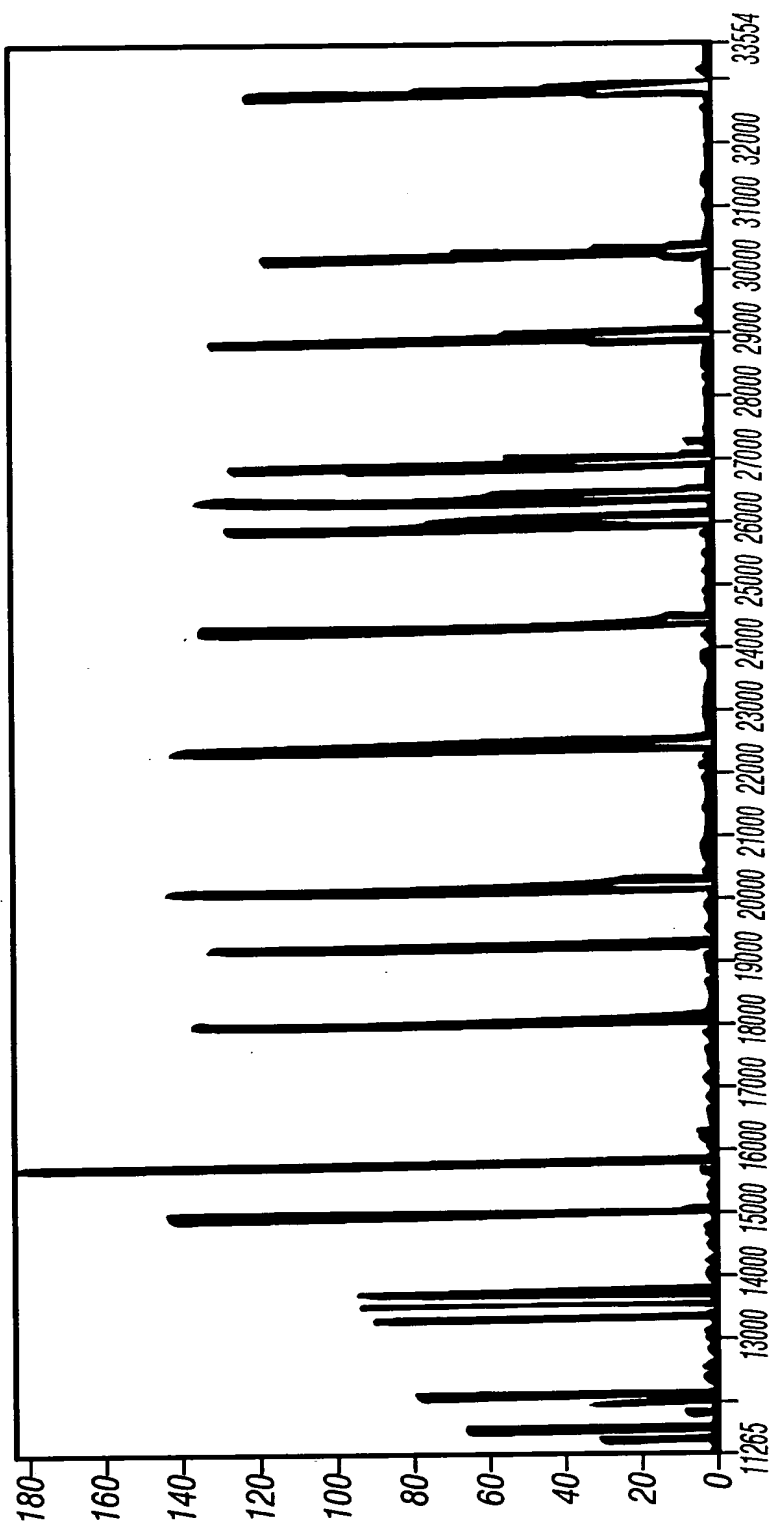


FIG. 12B

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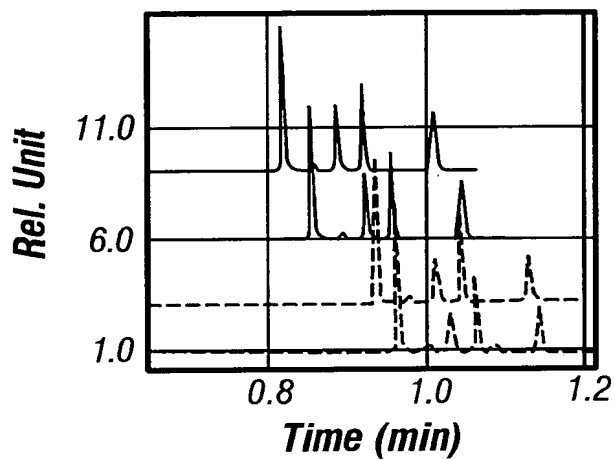


FIG. 13

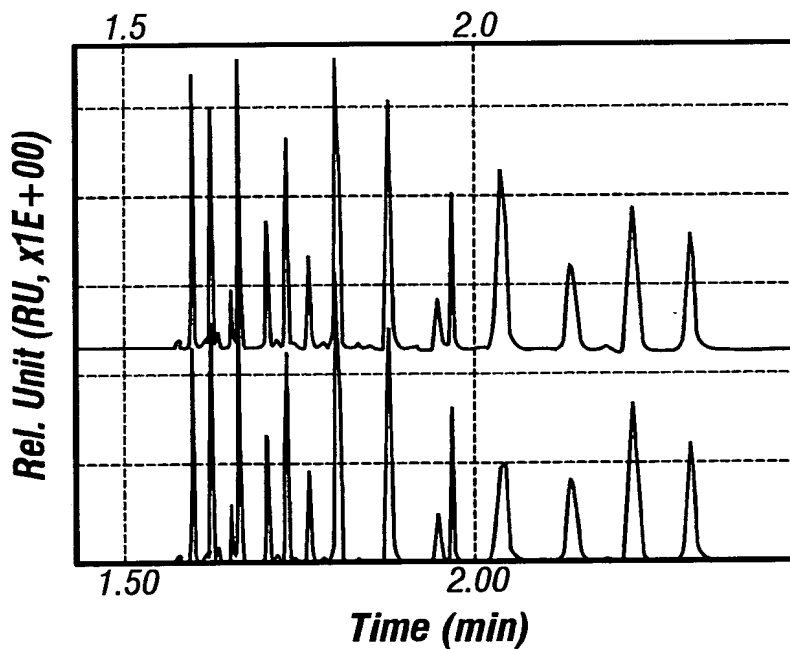


FIG. 14A

FIG. 14A

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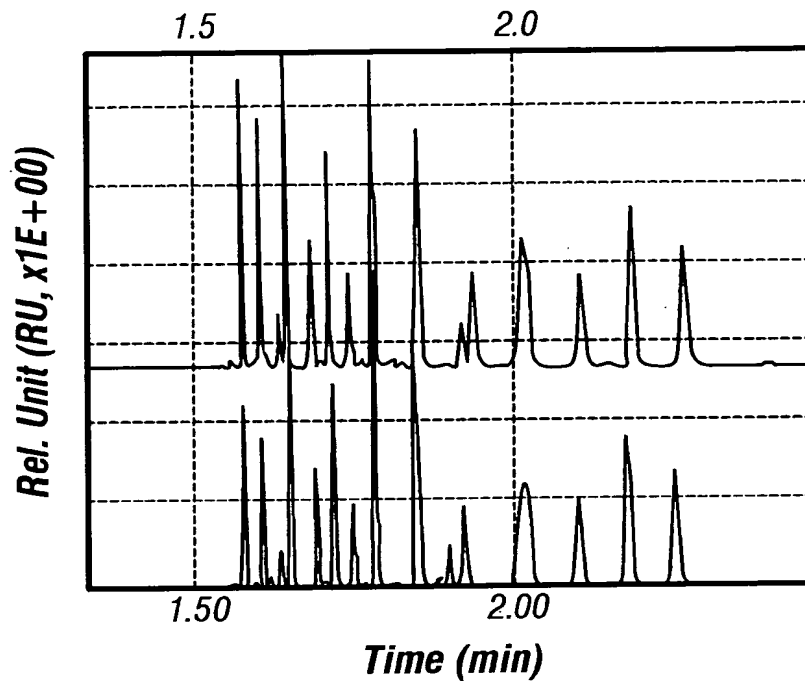


FIG. 14B

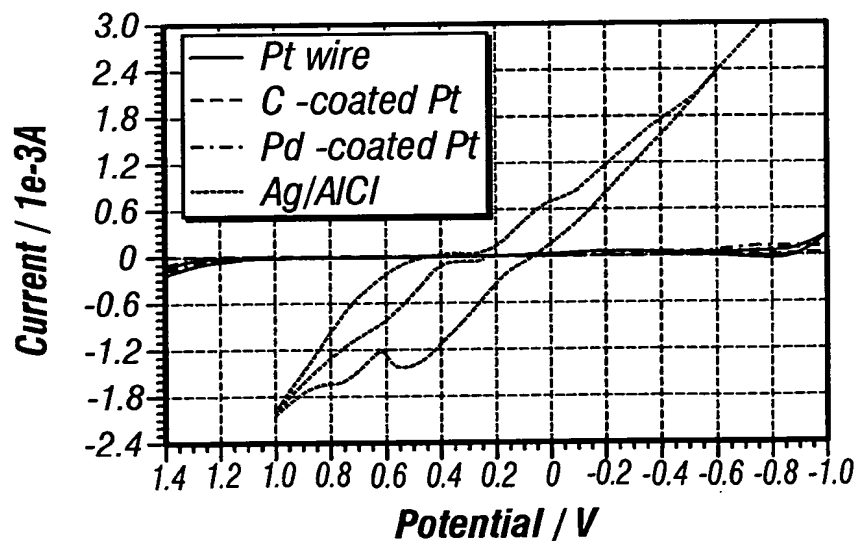


FIG. 15A

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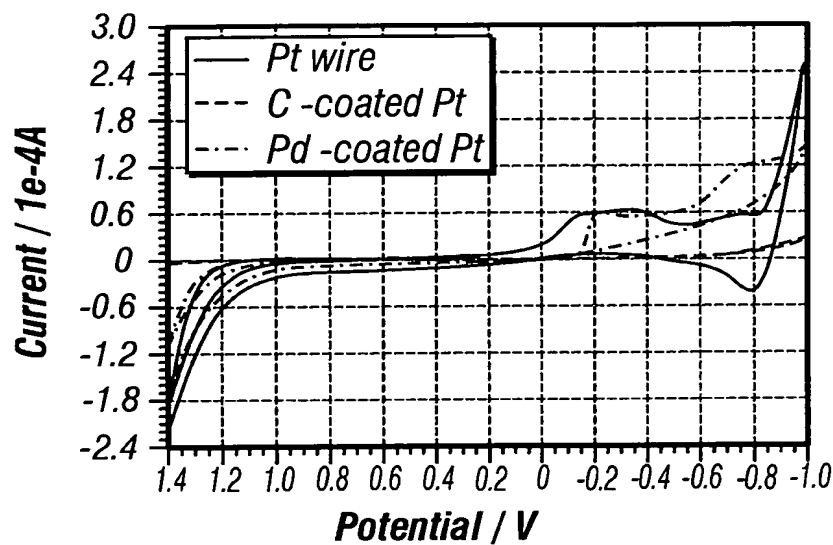


FIG. 15B

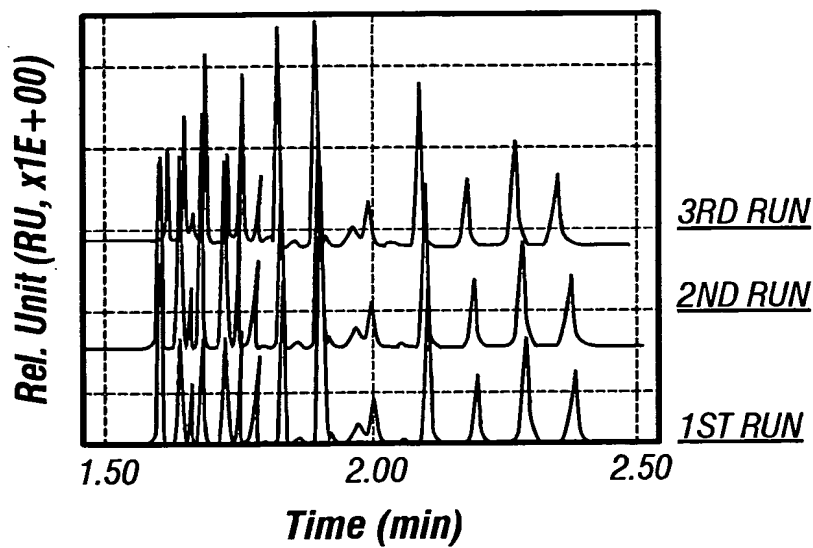


FIG. 16

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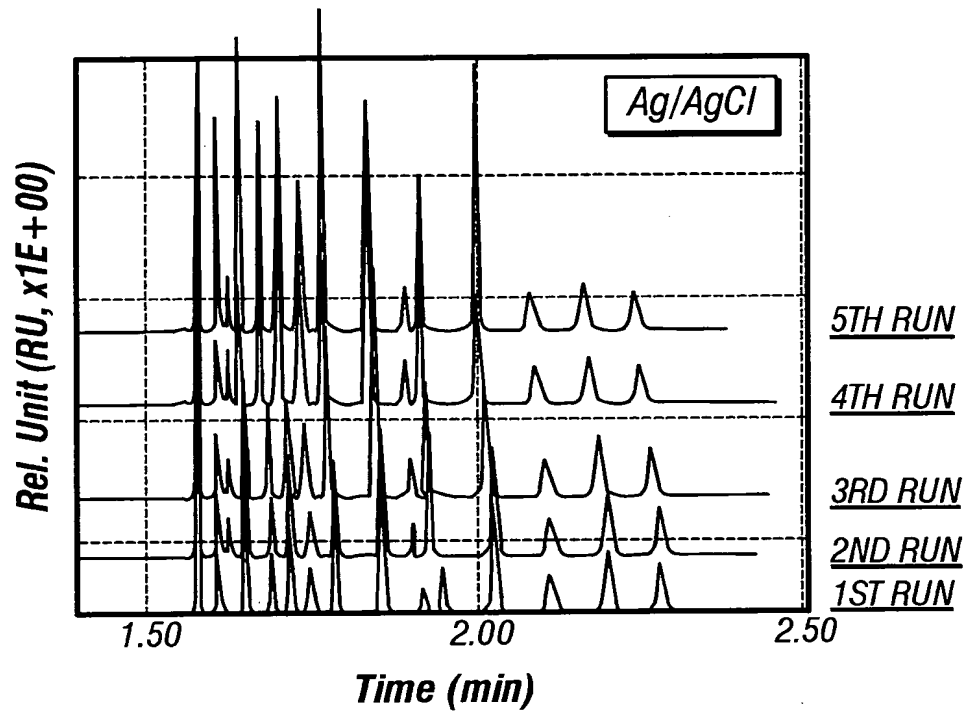


FIG. 17

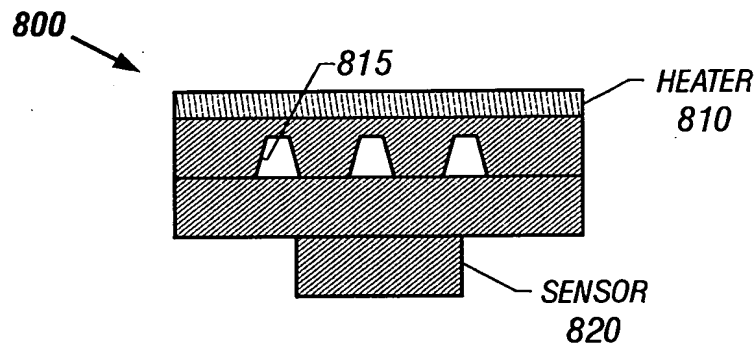
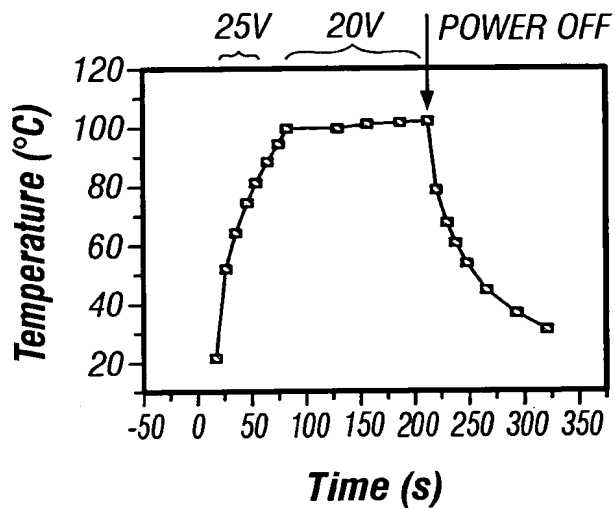


FIG. 18

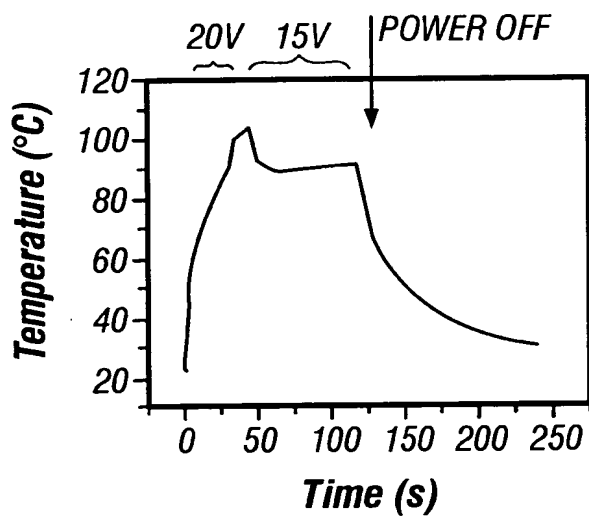
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REPEATED UNIT HEATER,

$$R=760\Omega$$

**FIG. 19**

$$R=205\Omega$$

**FIG. 20**

FOOTPRINT 22E6E660

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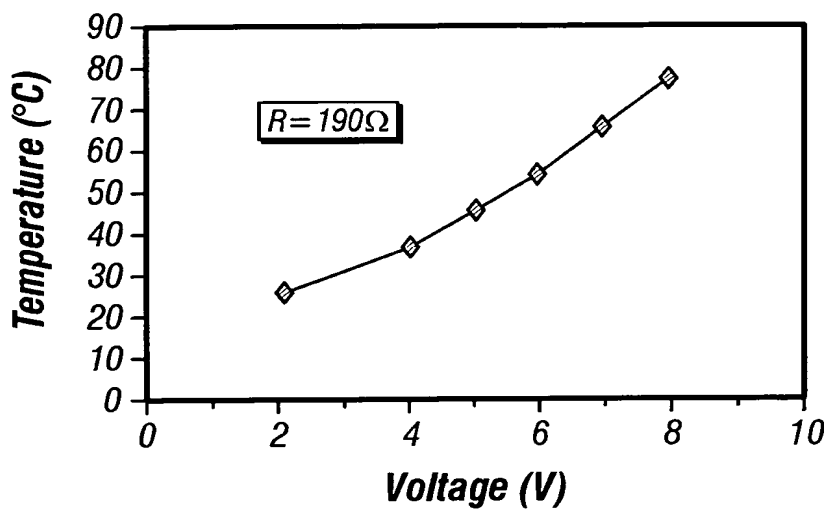


FIG. 21A

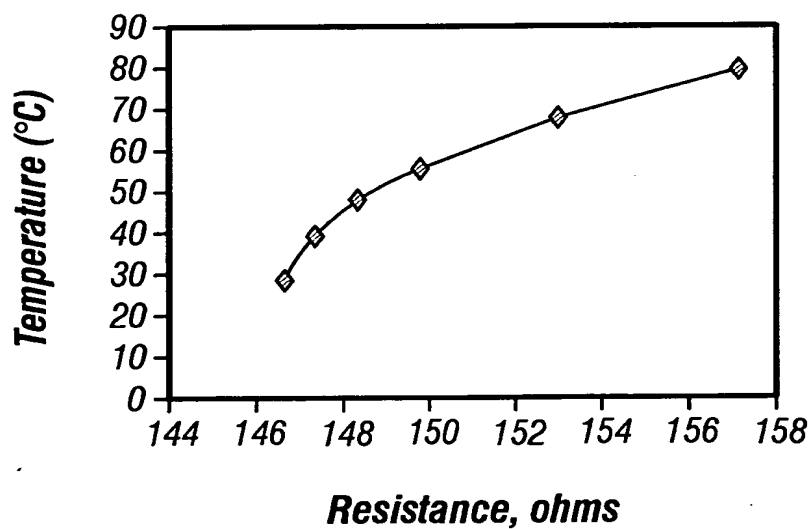


FIG. 21B

FIG. 21A

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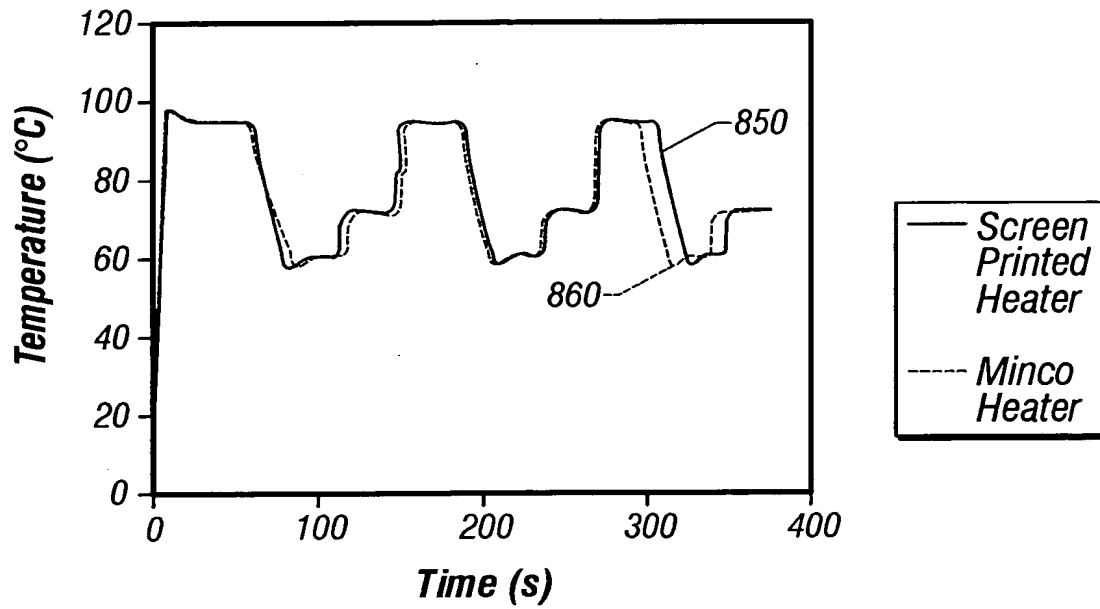


FIG. 21C

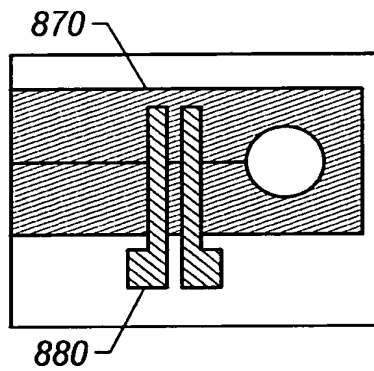


FIG. 22A

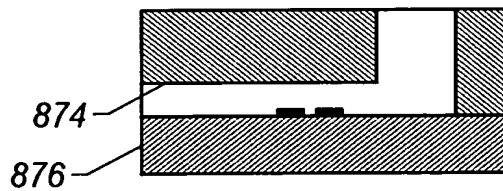


FIG. 22B

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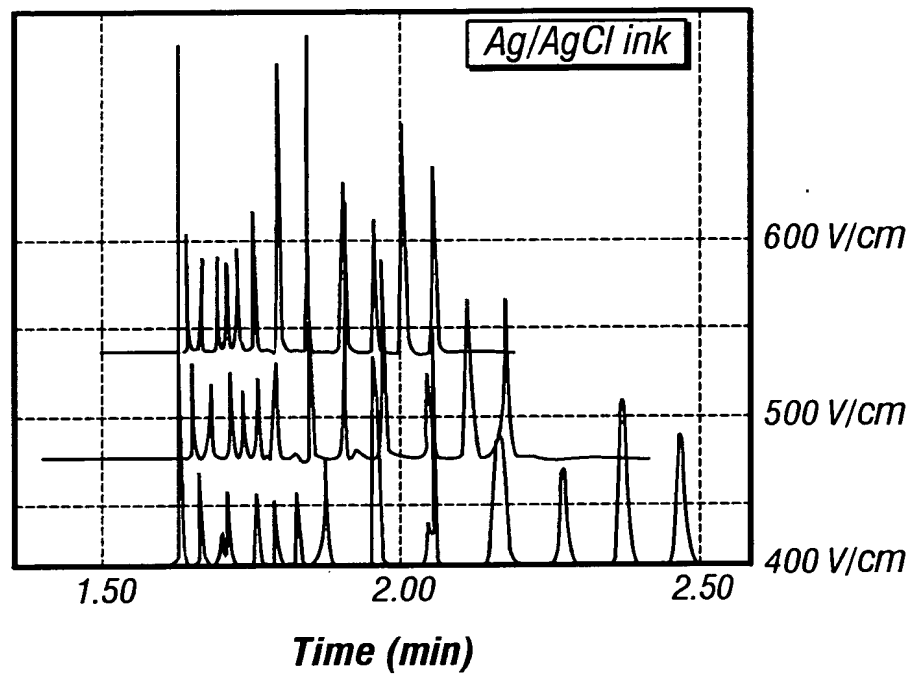


FIG. 23

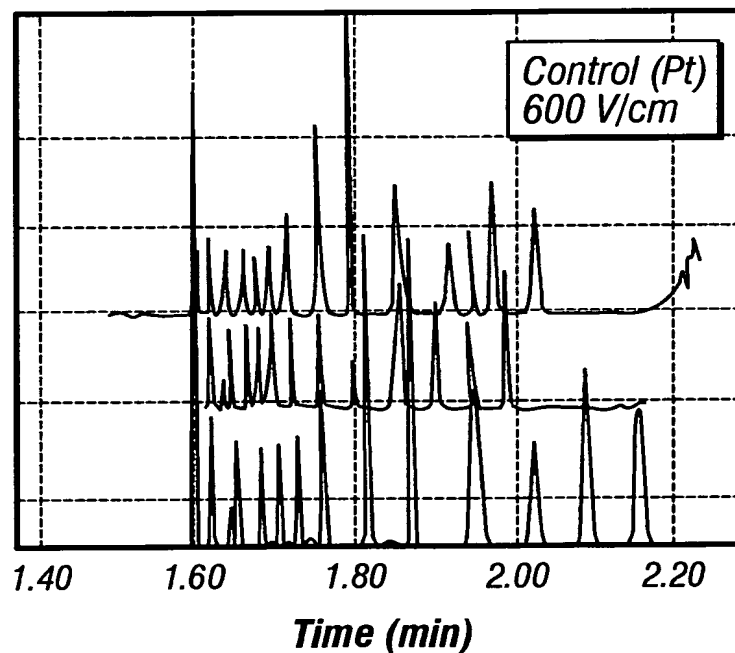


FIG. 24A

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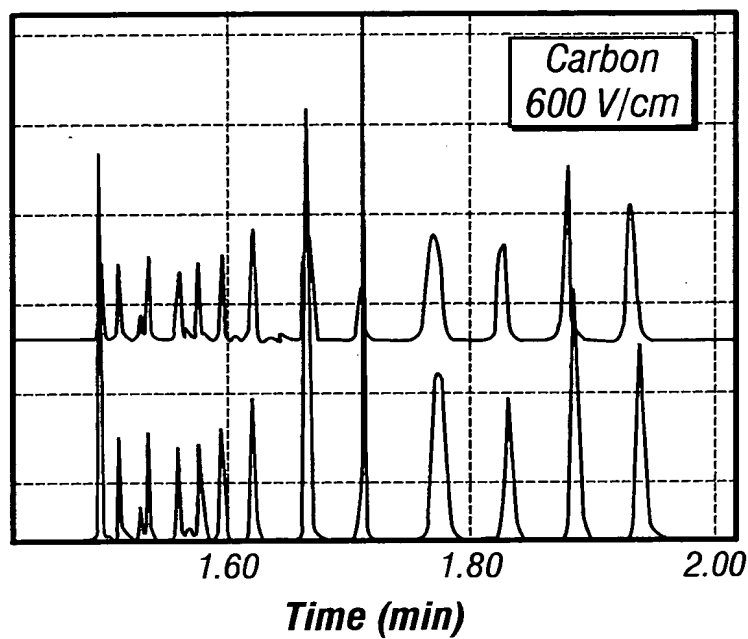


FIG. 24B

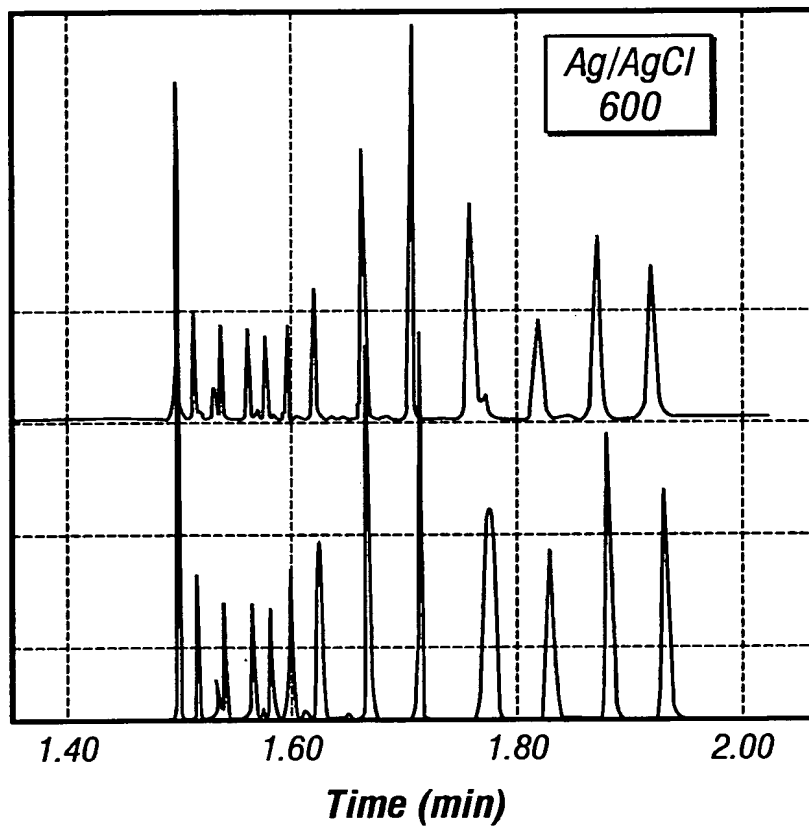


FIG. 24C

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eTag Probes (-FC)	Migration Time (min)				Normalized Peak Height				Half Peak Width				Resolution			
	Average		CV		Average		CV		Average		CV		Average		CV	
	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink
163	1.56	1.50	6.61	0.19	0.69	0.56	2.81	4.74	0.15	0.12	33.81	4.60				
158	1.58	1.51	6.80	0.19	0.27	0.22	1.61	2.45	0.15	0.13	25.18	2.79	1.01	0.81	25.92	0.70
33	1.61	1.54	7.08	0.18	0.34	0.27	4.80	3.40	0.17	0.15	27.95	0.98	1.36	1.08	19.80	1.18
26	1.63	1.56	7.40	0.23	0.30	0.25	3.57	2.77	0.21	0.18	30.71	2.40	1.38	1.04	27.73	1.30
25	1.65	1.58	7.49	0.22	0.26	0.22	3.28	1.57	0.17	0.16	23.50	4.94	1.05	0.89	13.48	1.44
174	1.67	1.60	7.73	0.22	0.30	0.27	4.16	2.37	0.20	0.18	25.84	2.82	1.32	0.86	44.60	0.90
1	1.70	1.62	7.98	0.22	0.48	0.41	0.29	5.20	0.23	0.20	27.30	2.42	1.51	0.81	70.08	13.70
187	1.75	1.67	8.41	0.21	1.01	0.88	4.52	0.54	0.25	0.22	26.68	1.91	2.04	1.14	63.05	0.06
188	1.80	1.71	8.85	0.37	0.63	0.59	5.03	6.99	0.10	0.08	34.24	6.73	2.17	1.07	33.52	9.03
189	1.86	1.77	9.45	0.72	1.54	1.42	2.98	1.25	0.76	0.53	30.56	29.77	1.99	1.03	30.19	6.73
190	1.92	1.82	10.07	0.50	0.75	0.71	0.64	1.02	0.49	0.46	39.83	21.75	1.59	1.00	47.68	6.52
191	1.98	1.87	10.64	0.41	1.20	1.18	0.33	0.23	0.47	0.42	37.31	10.72	1.72	1.04	45.94	0.27
192	2.04	1.92	11.08	0.44	1.00	1.00	0.00	0	0.49	0.42	35.82	6.85	1.57	0.92	29.69	2.93

FIG. 25